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Figure 1

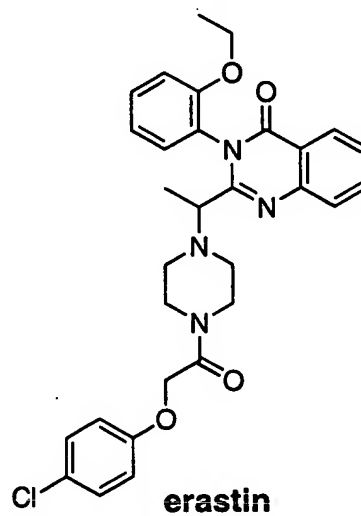
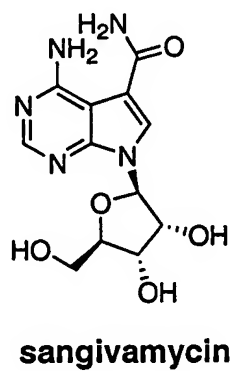
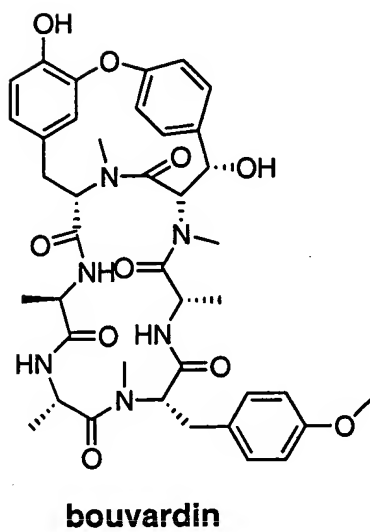
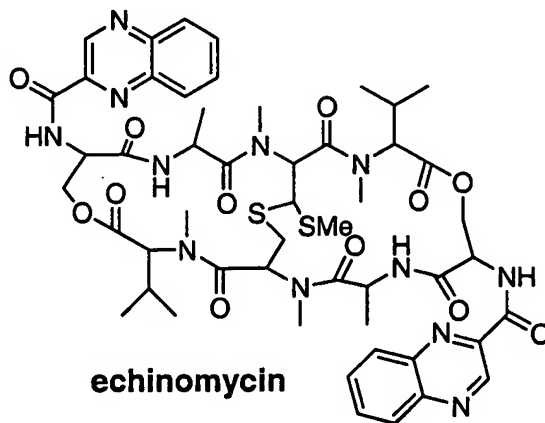
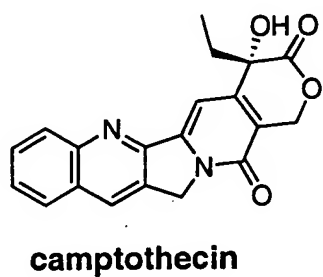
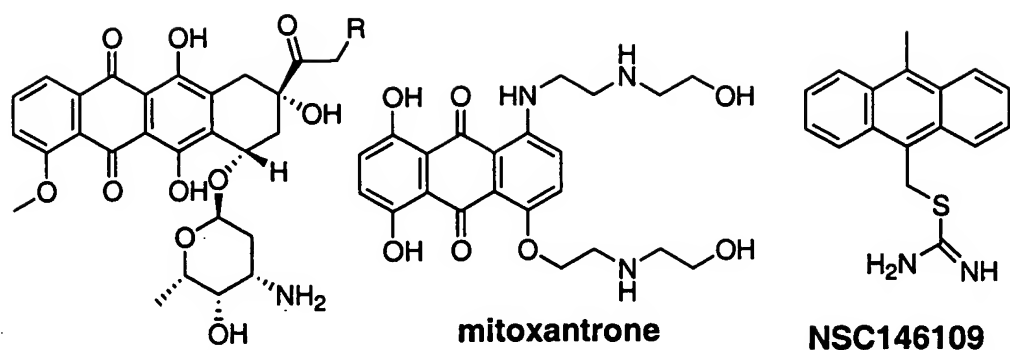


Figure 2

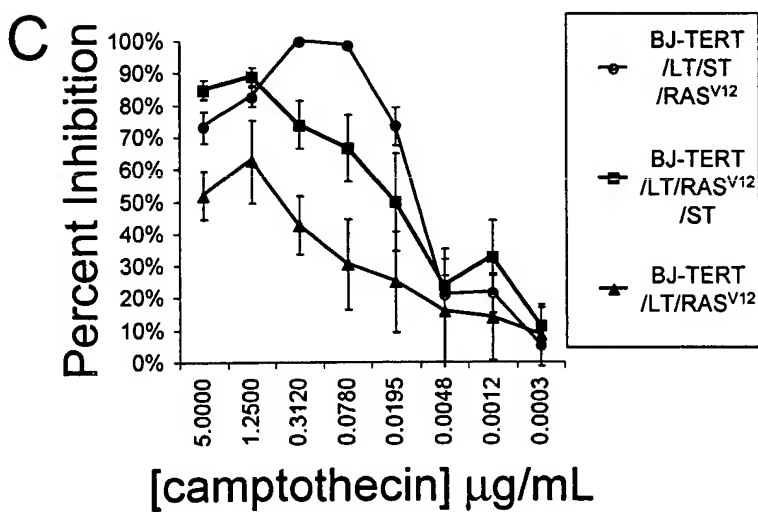
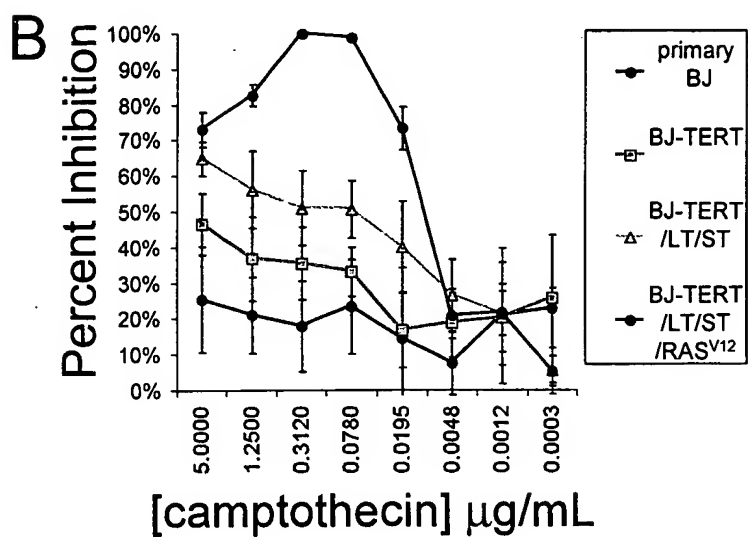
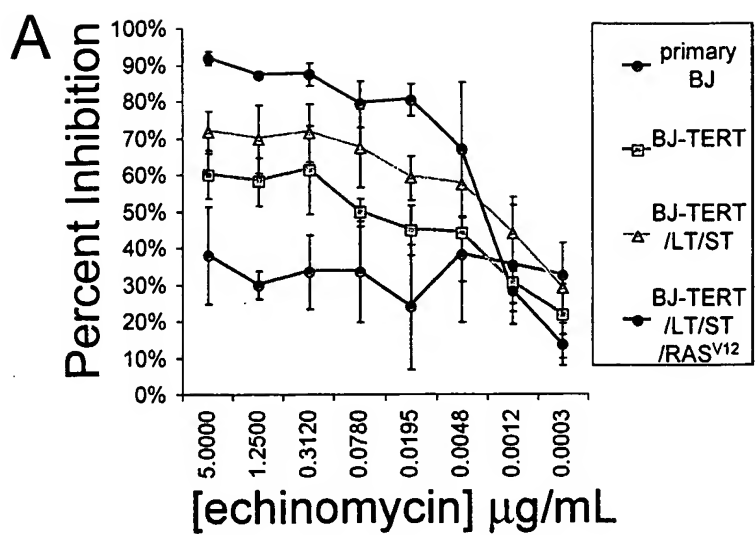


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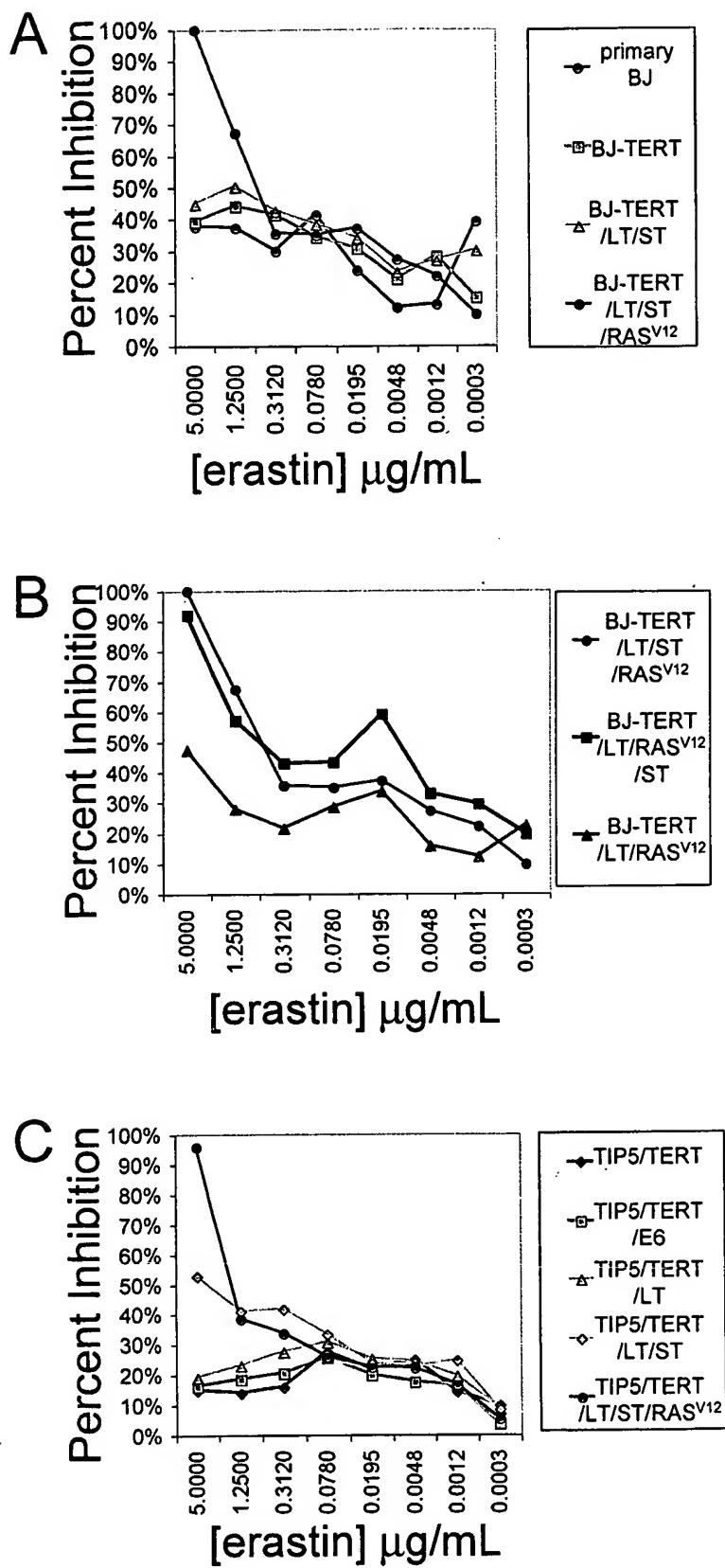


Figure 4

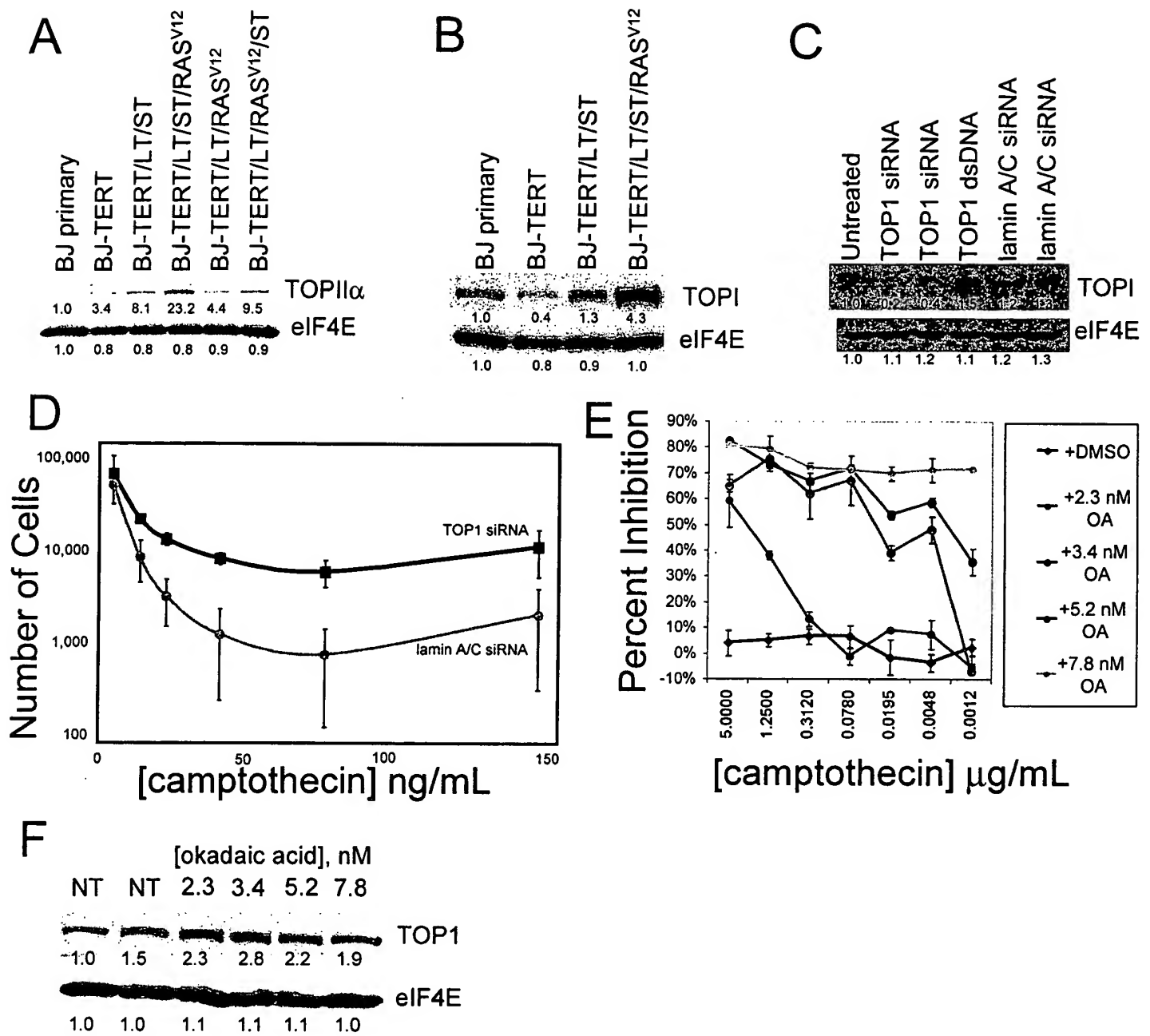


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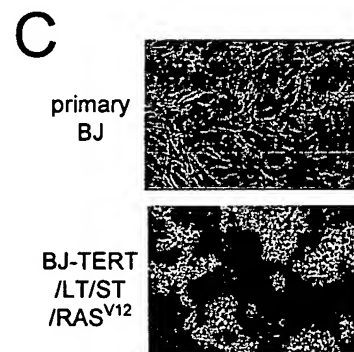
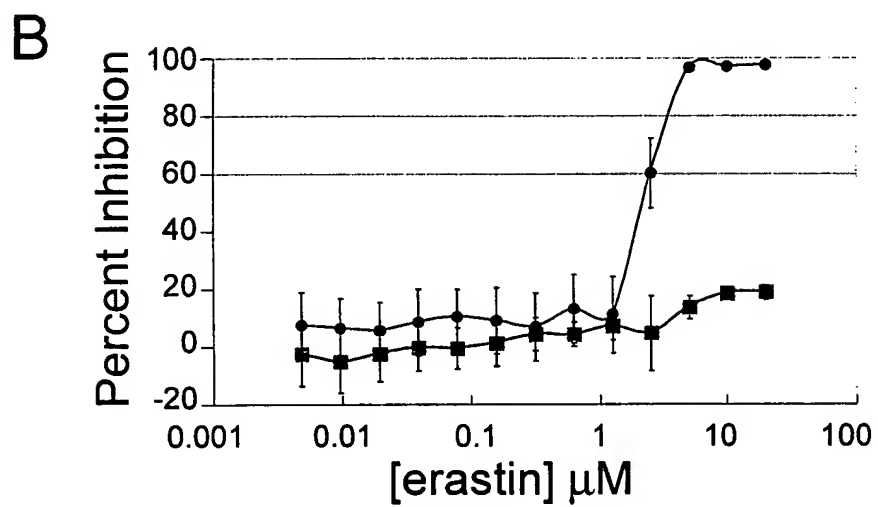
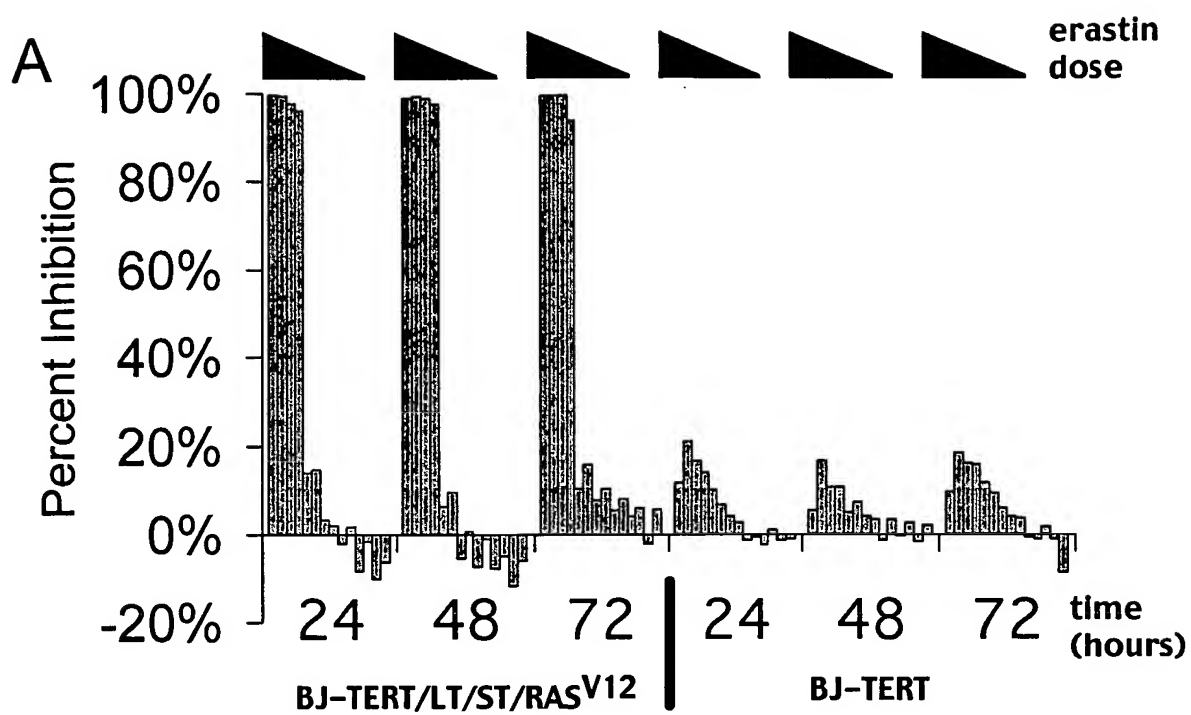


Figure 6

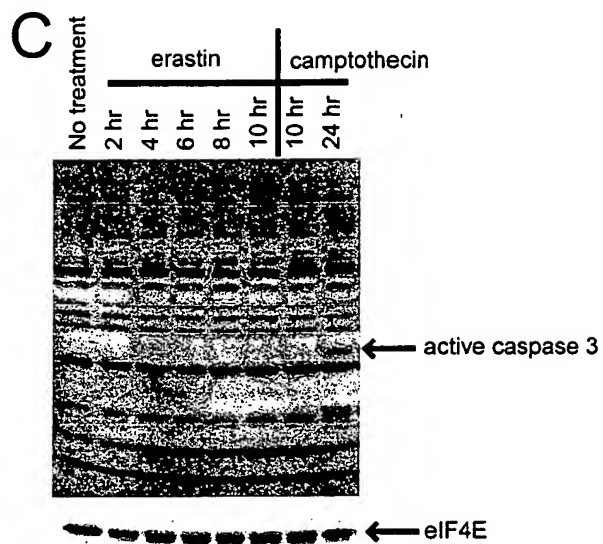
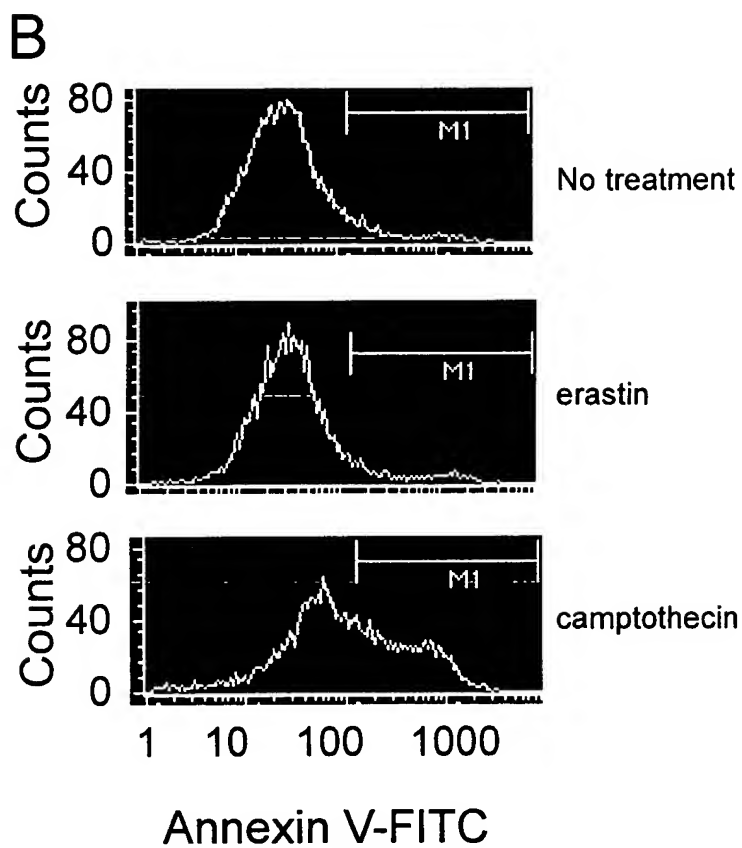
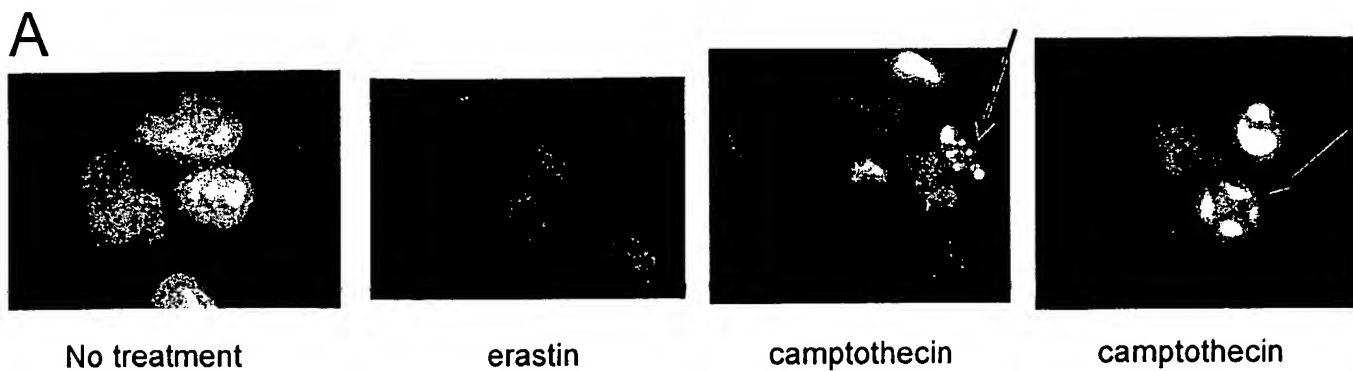


Figure 7

# Structure Activity Relationship for Erastin

- Tested 135 analogs of erastin for activity and selectivity (tumor vs. normal)
- 134 were inactive
- 1 was active and selective, but less potent than erastin

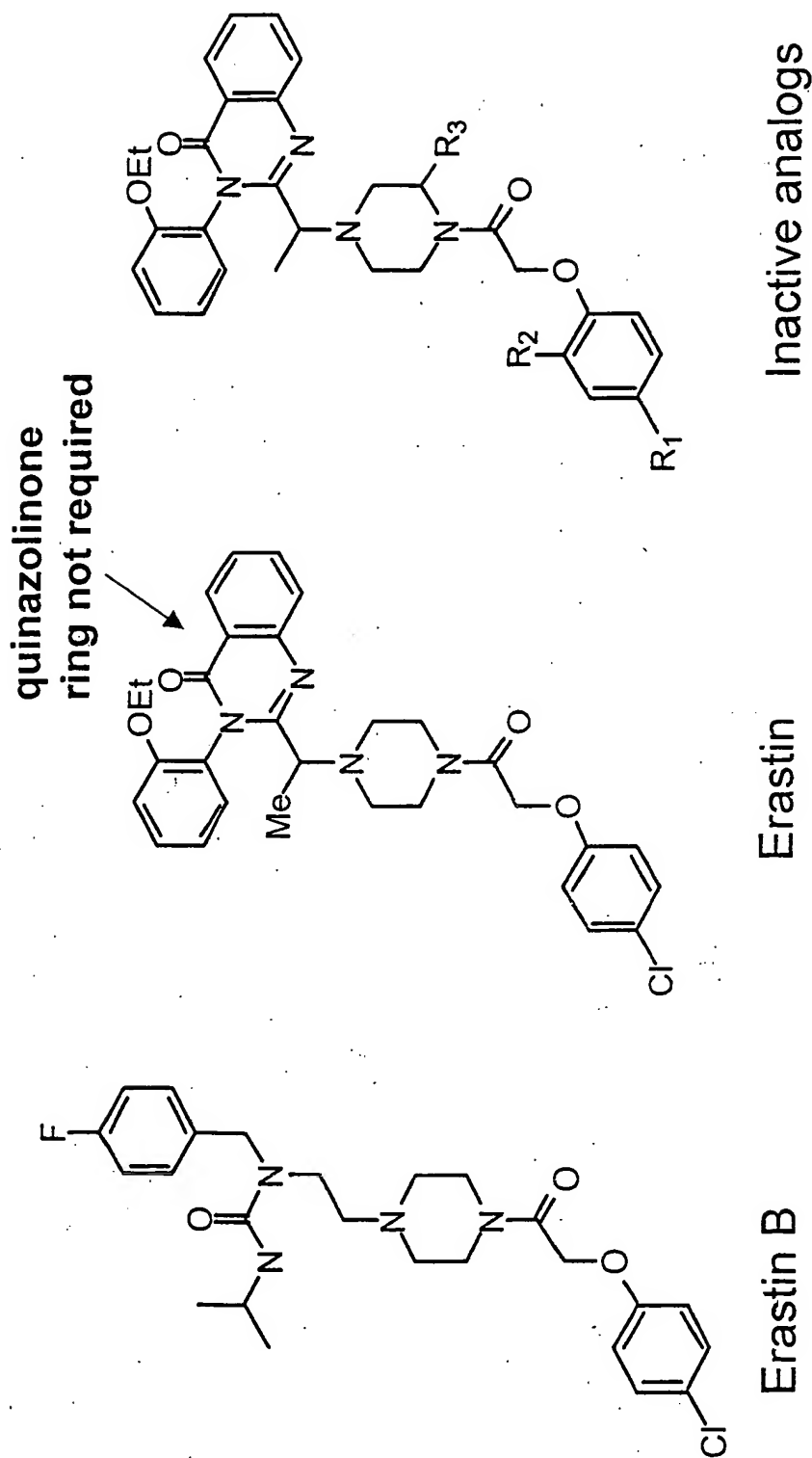
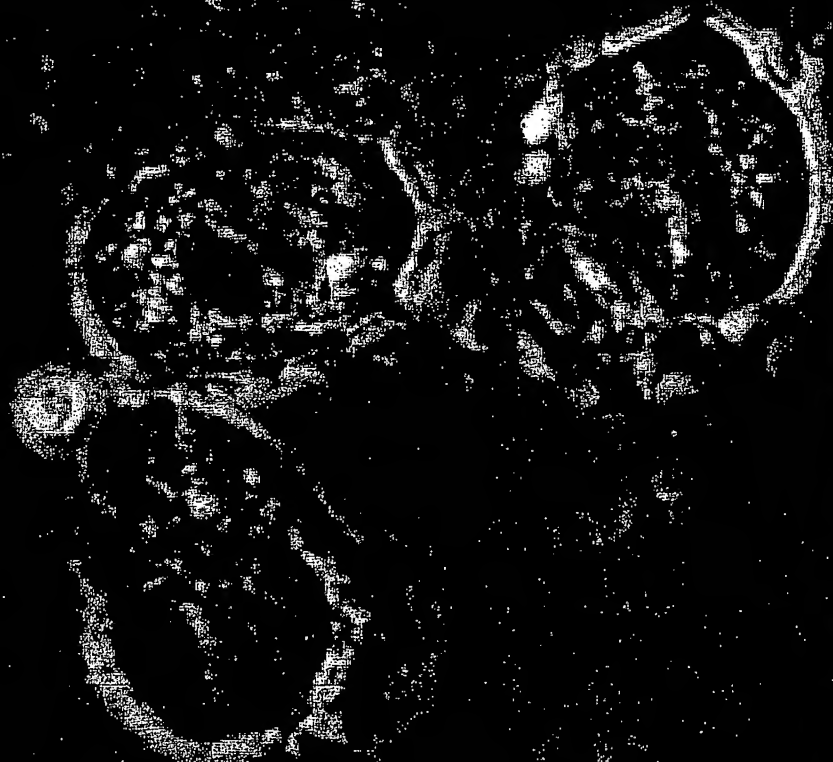


Figure 8



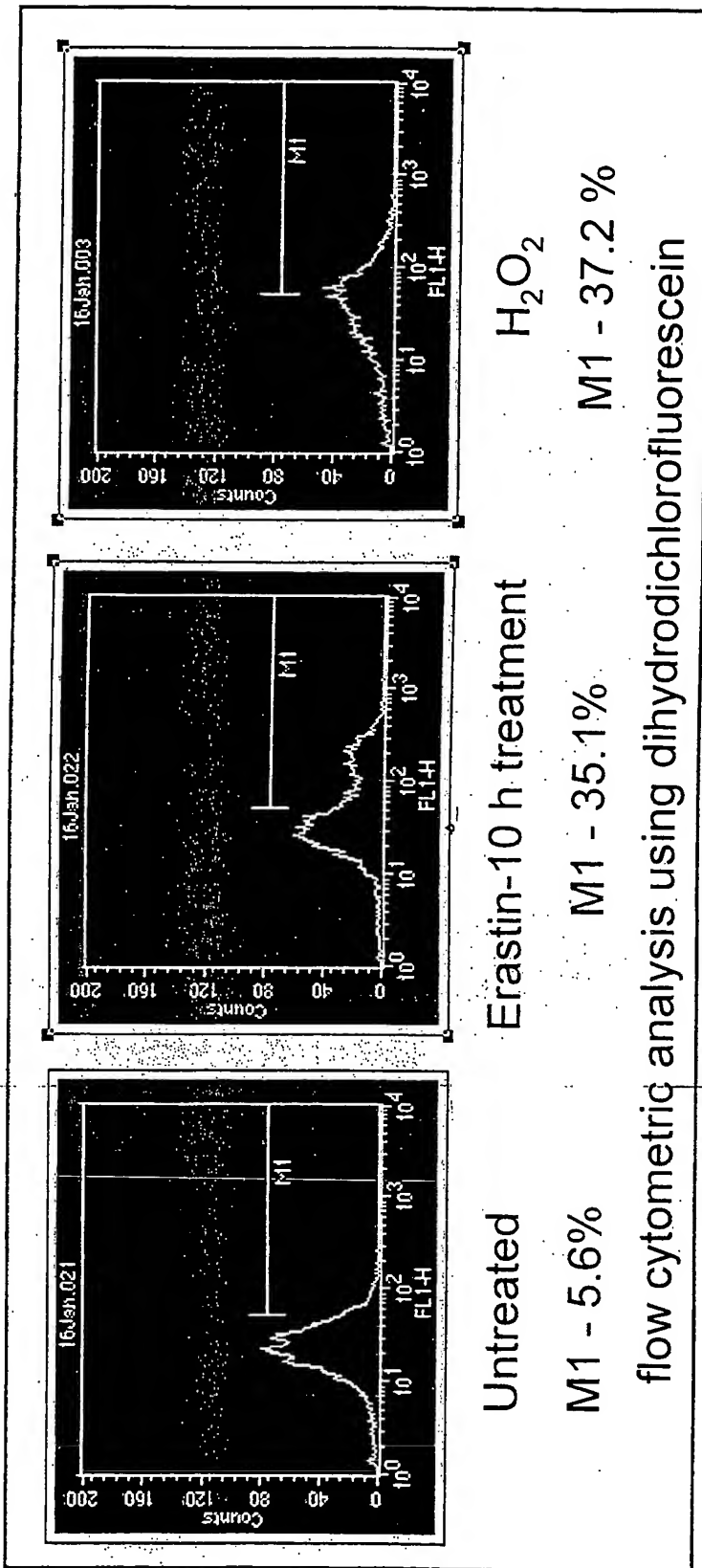
***Nuclei Are Intact in Erastin-treated  
Tumor Cells***

**9  $\mu$ M erastin 18 hrs**

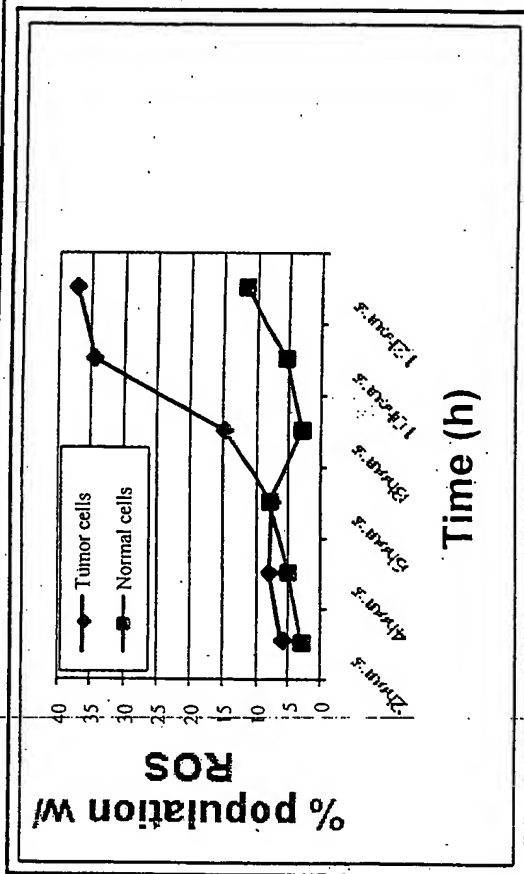


**Figure 9**

# Erastin Induces the Formation of Reactive Oxygen Species



flow cytometric analysis using dihydrodichlorofluorescein



Sonam Dolma

Figure 10

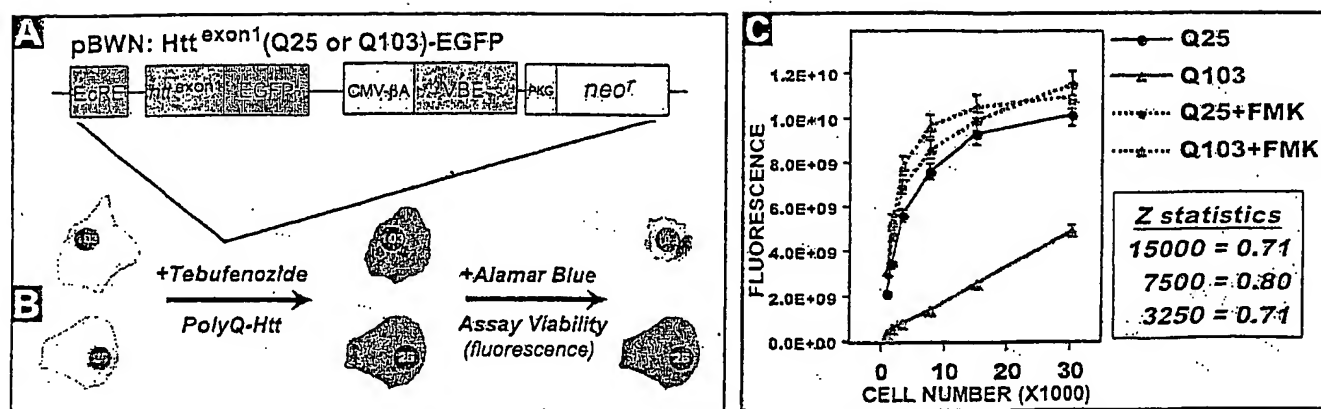


Figure 1 Modeling Htt-polyQ neurotoxicity in PC12 cells.

Figure 11

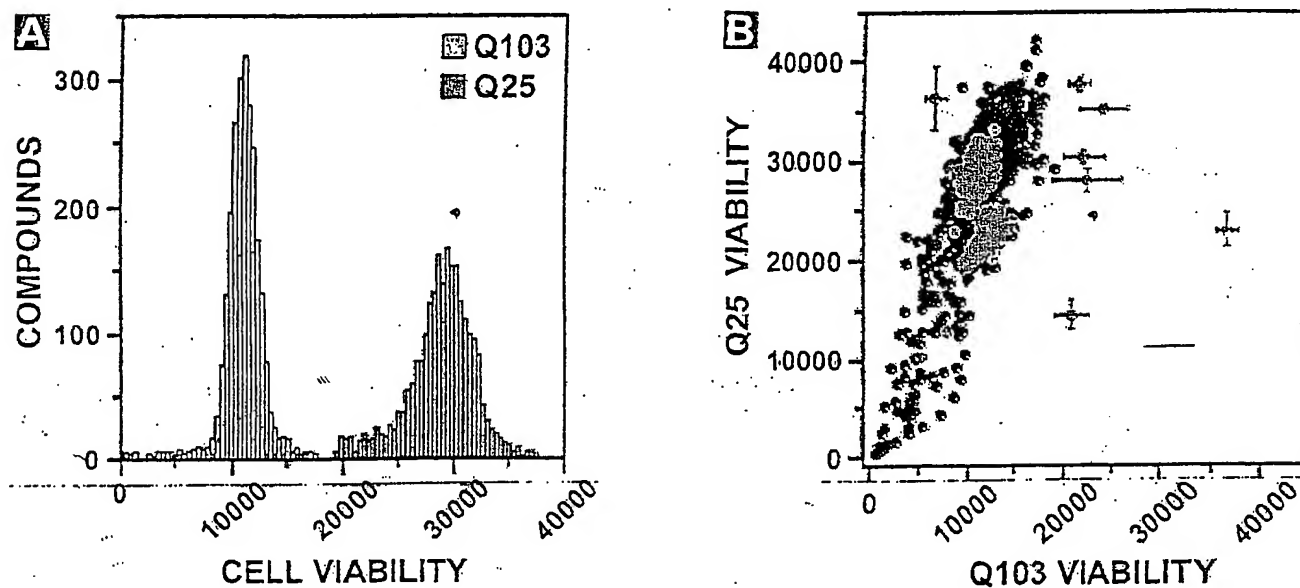


Figure 12

Figure 13. Effect of cell density on coefficient of variation (CV)

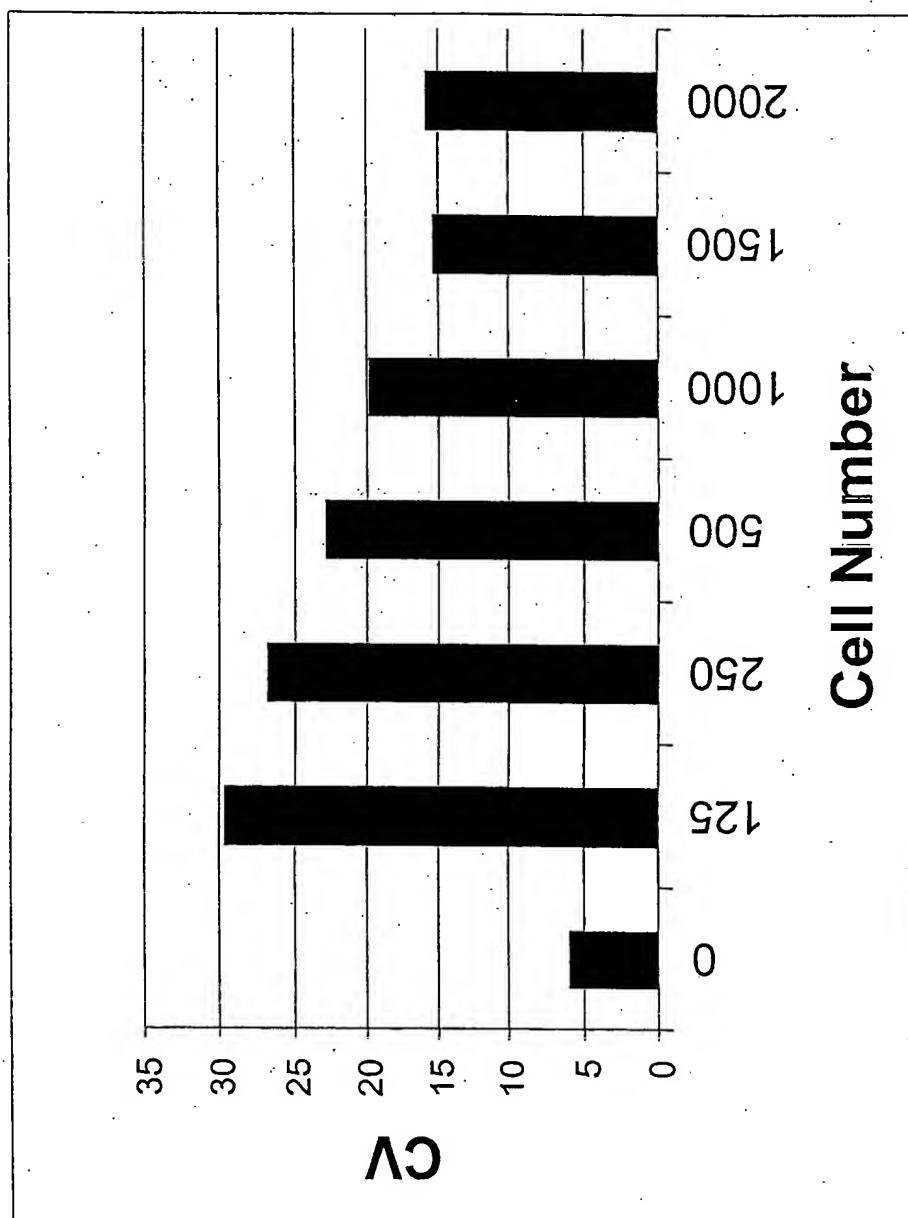


Figure 13

Figure 14. Dose-Response for Suppressor of Mutant  
Huntingtin-Induced Toxicity

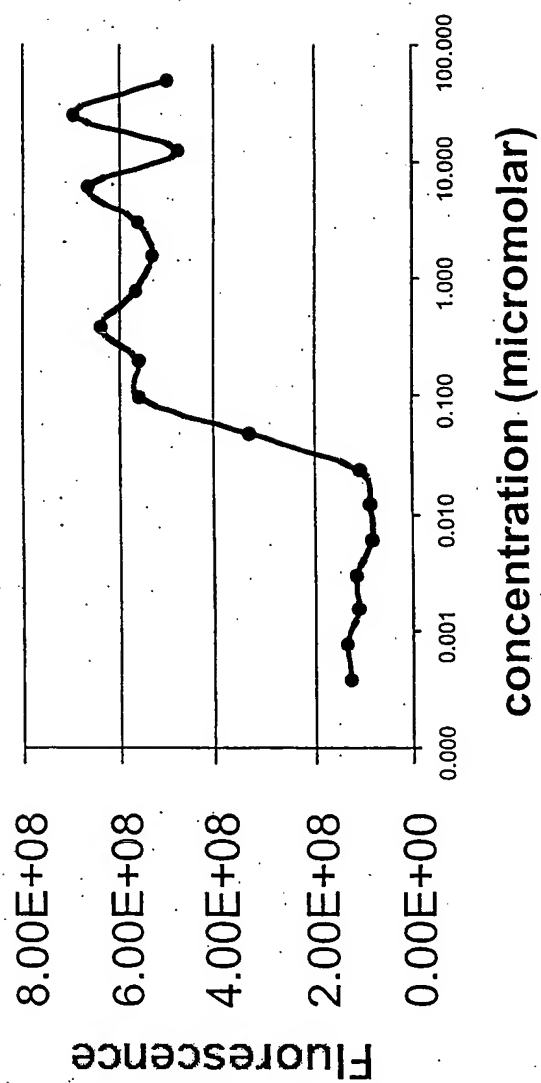
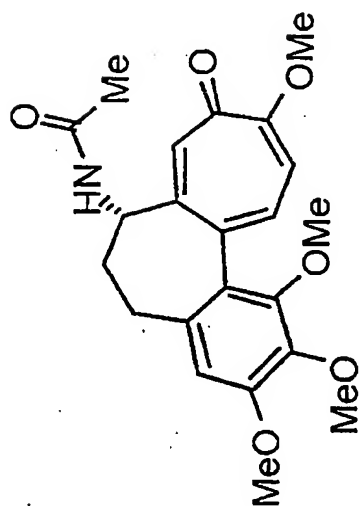
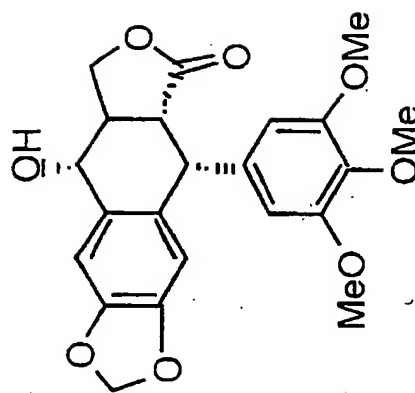


Figure 14

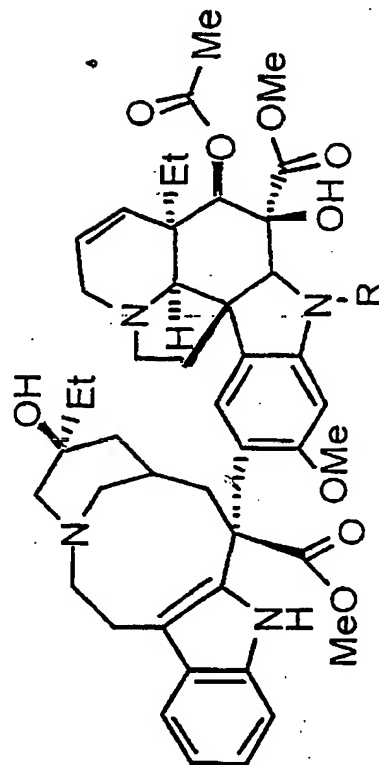
# ***Tubulin Inhibitors Suppress Mutant Huntingtin-Induced Cell Death***



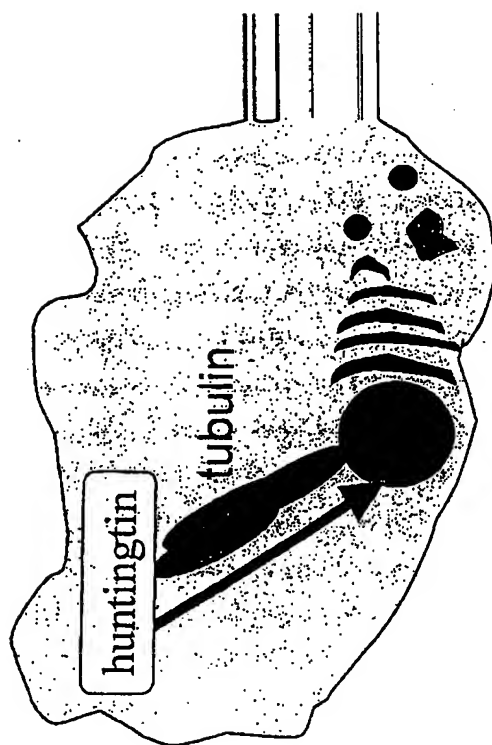
colchicine



podophyllotoxin



vincristine, vinblastine



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